

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-312971

(43)Date of publication of application : 26.11.1993

---

(51)Int.Cl. G04B 37/22

B29C 59/02

---

(21)Application number : 04-115012 (71)Applicant : SEIKO INSTR INC

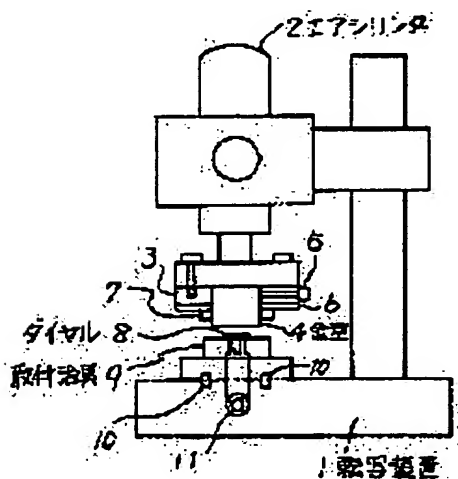
(22)Date of filing : 07.05.1992 (72)Inventor : KURIHARA MISAO

---

### (54) MANUFACTURE OF DIAL SURFACE DESIGN

#### (57)Abstract:

PURPOSE: To contrive efficiency of transcription by applying heat to press on the surface of a dial in a design-worked metal mold. CONSTITUTION: A surface-worked metal mold 4 is fixed to a transcription device body 1 with a set screw 5 through a metal mold guide 3 and an insulation plate 6 is fixed with a band heater 7 through the metal mold 4. The metal mold 4 heated with the band heater 7 is controlled at certain temperature with the use of a sensor, lowered with an air cylinder 2 and pressed on the acrylic paint face of a dial 8. Thereby the painted face of the dial 8 is thermoplastically deformed, the design of the metal mold is



transcribed and a clear polish design is obtained.

---

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision  
of rejection]

[Kind of final disposal of application other  
than the examiner's decision of rejection  
or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

**BEST AVAILABLE COPY**